Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567 T125-6565-00002

March

\_\_ Year: \_

2009

Source Address:

Mailing Address: Part 70 Permit No.:

\_\_ to \_\_

January

Months: \_\_\_

### **Quarterly Deviation Report**

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Permit Requirement (including	Date of	Duration of	Probable Cause of	Response Steps Taken
Condition No.)	Deviation	Deviation	Deviation	
Unit 1 - Opacity in excess of	03/29/09	6 minutes	Power plant equipment	Repair as necessary
40% - C.2 (a)	03/30/09	6 Minutes	malfunction	and return to service
Unit 1 - Opacity in excess of	02/18/09	36 minutes	Operational transient	Return to steady
40% - C.2 (a)			condition	operating condition
Unit 1 - Opacity in excess of	03/19/09	24 minutes	Bypass stack startup	Complete bypass stack
40% - C.2 (a)				startup
Unit 2 - Opacity in excess of	03/13/09	12 minutes	Operational transient	Return to steady
40% - C.2 (a)			condition	operating condition

Form Completed by: Jeffrey A. Harter Title/Position: Title IV Designated Representative Date: April 29, 2009 Telephone: 812-354-7222

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567

Source Address:

Mailing Address: Part 70 Permit No.:

P.O. Box 436, Petersburg, Indiana 47567 T125-6565-00002

Months: <u>April</u> to <u>June</u> Year: <u>2009</u>

### **Quarterly Deviation Report**

Page 2 of 2

Permit Requirement (including	Date of	Duration of	Probable Cause of	Response Steps Taken
Condition No.)	Deviation	Deviation	Deviation	
Unit 1 - Opacity in excess of	04/23/09	12 minutes	Power plant equipment	Repair as necessary
40% - C.2 (a)	04/26/09	6 minutes	malfunction	and return to service
Unit 1 - Opacity in excess of	04/15/09	6 minutes	Operational transient	Return to steady
40% - C.2 (a)	04/20/09	6 minutes	condition	operating condition
1				

Form Completed by: Jeffrey A. Harter Title/Position: Title IV Designated Representative Date: July 29, 2009 Telephone: 812-354-7222

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567

Source Address:

Months: <u>July</u> to <u>September</u> Year: <u>2009</u>

Mailing Address: Part 70 Permit No.:

P.O. Box 436, Petersburg, Indiana 47567

T125-6565-00002

## **Quarterly Deviation Report**

Page 2 of 2

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 - Opacity in excess of 40% - C.2 (a)	09/09/09	30 minutes	Bypass stack startup	Complete bypass stack startup
Unit 2 - Opacity in excess of 40% - C.2 (a)	07/30/09	12 minutes	Operational transient condition	Return to steady operating condition
Unit 2 - Opacity in excess of 40% - C.2 (a)	08/01/09	6 minutes	Power plant equipment maintenance	Complete maintenance and return to service

Form Completed by: Jeffrey A. Harter Title/Position: Title IV Designated Representative Date: October 29, 2009 Telephone: 812-354-7222

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567 T125-6565-00002

Source Address:

Mailing Address:

Part 70 Permit No.:

Months: \_\_ October to <u>December</u> Year: <u>2009</u>

### **Quarterly Deviation Report**

Page 2 of 2

Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 - Opacity in excess of 40% - C.2 (a)	11/19/09	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 - Opacity in excess of 40% - C.2 (a)	12/19/09	6 minutes	Operational transient condition	Return to steady operating condition

Form Completed by: Jeffrey A. Harter Title/Position: Title IV Designated Representative Date: January 29, 2010 Telephone: 812-354-7222

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567 T125-6565-00002

Source Address: Mailing Address: Part 70 Permit No.:

Months: <u>January</u> to <u>March</u> Year: <u>2010</u>

## **Quarterly Deviation Report**

Page 2 of 2

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	02/17/10 03/19/10	6 minutes 6 minutes	Operational transient condition	Return to steady operating condition
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	01/24/10 03/07/10 03/08/10 03/09/10 03/10/10	6 minutes 24 minutes 6 minutes 36 minutes 12 minutes	Operational transient condition	Return to steady operating condition
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	02/23/10	18 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	03/09/10	3 minutes	Operational transient condition	Return to steady operating condition

Form Completed by:	Jeffrey A. Harter	
Title/Position:	Title IV Designated Representative	
Date:	April 29, 2010	-
Telephone:	812-354-7222	

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT **OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION** 

### **PART 70 OPERATING PERMIT QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name:

\*

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567 T125-6565-00002

Source Address: Mailing Address: Part 70 Permit No.:

Mo	nths:	April	to	June	Year:	2010	
							Page 1 of 1
This report shall be sidate(s) of each deviation reported. A deviation independent of the pland does not need to deviations occurred,	ation, the p n required permit, sha o be includ	probable ca to be report all be report ded in this re	use of the rted pursu ed accord eport. Ac	e deviation, au uant to an app ling to the sch Iditional page	nd the respondicable required the state of t	onse steps ta uirement that ed in the appl ttached if ned	aken must be i exists licable requirement cessary. If no
•X•NO DEVIATION	S OCCUR	RED THIS	REPORT	ING PERIOD	),		
• •THE FOLLOWIN	G DEVIA	TIONS OCC	CURRED	THIS REPOR	RTING PER	NOD	
Permit Requiremen	ıt (specify	permit cond	dition): N	I/A			
Date of Deviation:	N/A			Duration	of Deviation	on: N/A	
Number of Deviation	ins: N/A						
Probable Cause of	Deviation	n: N/A					
Response Steps Ta	iken: N/A						

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567 T125-6565-00002

Source Address:

Mailing Address: Part 70 Permit No.:

Months:	July	to _	September	Year:	2010	
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## **Quarterly Deviation Report**

Page 2 of 2

				Page 2 of 2
Permit Requirement (including	Date of	Duration of	Probable Cause of	Response Steps
Condition No.)	Deviation	Deviation	Deviation	Taken
Unit 1Scrubbed Stack - Opacity	07/01/10	6 minutes	Power plant equipment	Repair as necessary
in excess of 40% - C.2 (a)	08/16/10	54 minutes	malfunction	and return to service
Unit 1Scrubbed Stack - Opacity	07/16/10	24 minutes	Operational transient	Return to steady
in excess of 40% - C.2 (a)			condition	operating condition
Unit 1 Scrubbed Stack - Opacity	07/16/10	2 minutes	Operational transient	Return to steady
in excess of 60% for more than			condition	operating condition
151-min readings in a 6-hr				
period -C.2 (b)				
Unit 1 Bypass Stack – Opacity	09/07/10	24 minutes	Bypass stack startup	Complete bypass
in excess of 40% - C.2 (a)				stack startup
Unit 2 Bypass Stack – Opacity	08/23/10	12 minutes	Undetermined Cause	No corrective action
in excess of 40% - C.2 (a)				required
Missed weekly VE notation	07/12/10 -	N/A	Inadvertently missed due	Reiterate to personnel
Limestone/Fly Ash/Gypsum	07/18/10		to communication failure	the importance of
Handling Facilities - D.4.8 (a)				these readings
Missed weekly baghouse	07/12/10 -	N/A	Inadvertently missed due	Reiterate to personnel
pressure drop reading –	07/18/10		to communication failure	the importance of
Limestone/Fly Ash/Gypsum				these readings
Handling Facilities – D.4.9 (a)				
Missed record keeping of	07/12/10 -	N/A	Inadvertently missed due	Reiterate to personnel
weekly VE notation –	07/18/10		to communication failure	the importance of
Limestone/Fly Ash/Gypsum				these readings
Handling Facilities - D.4.10 (a)				
Missed record keeping of	07/12/10 -	N/A	Inadvertently missed due	Reiterate to personnel
weekly baghouse pressure drop	07/18/10		to communication failure	the importance of
reading – Limestone/Fly				these readings
Ash/Gypsum Handling Facilities				
– D.4.10 (b)				

Form Completed by:	Jeffrey A. Harter	
Title/Position:	Title IV Designated Representative	
Date:	October 29, 2010	
Telephone:	812-354-7222	

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567

Source Address: Mailing Address: Part 70 Permit No.:

T125-6565-00002

Months: October to December Year: 2010

## **Quarterly Deviation Report**

Page 2 of 2

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	12/08/10	12 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	11/22/10 11/23/10 11/25/10	6 minutes 72 minutes 66 minutes	Operational transient condition	Return to steady operating condition
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	12/14/10 12/16/10 12/20/10	24 minutes 54 minutes 6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2 (b)	11/22/10 11/25/10	1 minute 34 minutes	Operational transient condition	Return to steady operating condition
Unit 2 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2 (b)	12/16/10	19 minutes	Power plant equipment malfunction	Repair as necessary and return to service

Form Completed by:	Jeffrey A. Harter	
Title/Position:	Title IV Designated Representative	
Date:	January 28, 2011	
Telephone:	812-354-7222	

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567

Source Address:

Mailing Address:

Part 70 Permit No.:

T125-6565-00002

Months: <u>January</u> to <u>March</u> Year: <u>2011</u>

### **Quarterly Deviation Report**

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	01/13/11 01/21/11	18 minutes 18 minutes	Operational transient condition	Retum to steady operating condition
Unit 1Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	03/14/11	12 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Bypass Stack – Opacity in excess of 40% - C.2 (a)	03/06/11	12 minutes	Bypass stack startup	Complete bypass stack startup
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	02/24/11	6 minutes	Undetermined Cause	No corrective action required
Unit 2 Scrubbed & Bypass Stack - Opacity in Excess of 40% for more than 2 hours during unit shutdown. D.1.2.2(a)(2)	03/02/11	48 minutes	Unit shutdown	Complete unit shutdown
Unit 2 Bypass Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2 (b)	03/02/11	1 minute	Unit Shutdown > TAOL (more than 2 hours of excess opacity)	Complete unit shutdown

Form Completed by: Jeffrey A. Harter Title/Position: Title IV Designated Representative Date: April 29, 2011 Telephone: 812-354-7222

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567

Source Address: Mailing Address:

Part 70 Permit No.:

T125-6565-00002

Months: April to <u>June</u> Year: <u>2011</u>

## **Quarterly Deviation Report**

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Permit Requirement (including	Date of	Duration of	Probable Cause of	Response Steps
Condition No.)	Deviation	Deviation	Deviation	Taken
Unit 2Scrubbed Stack - Opacity	04/11/11	54 minutes	Power plant equipment	Repair as necessary
in excess of 40% - C.2 (a)	05/18/11	114 minutes	malfunction	and return to service
	06/26/11	12 minutes		
	06/28/11	66 minutes		1
Unit 2 Scrubbed Stack -	04/11/11	29 minutes	Power plant equipment	Repair as necessary
Opacity in excess of 60% for	05/18/11	82 minutes	malfunction	and return to service
more than 15 1-min readings in	06/28/11	50 minutes		
a 6-hr period -C.2 (b)				

Form Completed by:	Jeffrey A. Harter	
Title/Position:	Title IV Designated Representative	_
Date:	July 29, 2011	
Telephone:	812-354-7222	-0

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567 T125-6565-00002, T125-29988-00002

Source Address:

Mailing Address: Part 70 Permit No.:

Months: July to September Year: 2011

# **Quarterly Deviation Report**

				Page 2 or 2
Pemit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	08/31/11	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	09/26/11	6 minutes	Operational transient condition	Return to steady operating condition
Unit 1Bypass Stack - Opacity in excess of 40% - C.2 (a)	07/06/11	36 minutes	Bypass stack startup	Complete bypass stack startup
Unit 1 Bypass Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period - C.2 (b)	07/06/11	25 minutes	Bypass stack startup	Complete bypass stack startup
Unit 2Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	07/09/11	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 - SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average D2.2(b)(2)	07/03/11 09/15/11	6 hours 3 hours	FGD Trip	Return FGD to service
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.3(a)	07/31/11	3 hours	Unit and FGD Trip and Restart	Complete unit and FGD startup
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) & D.2.3(a)	08/22/11 08/29/11	3 hours 3 hours	FGD Trip	Restart FGD

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report.

Form Completed by:	Jeffrey A. Harter
Title/Position:	Title IV Designated Representative
Date:	October 28, 2011
Telephone:	812-354-7222

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567

Source Address:

Mailing Address: Part 70 Permit No.:

Months: \_\_\_

T125-6565-00002 October to December Year: 2011

## **Quarterly Deviation Report**

Page 2 of 2

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	10/18/11	6 minutes	Operational transient condition	Return to steady operating condition
Unit 1Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	12/01/11	78 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2 (b)	12/01/11	64 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1Bypass Stack - Opacity in excess of 40% - C.2 (a)	12/06/11	18 minutes	Bypass stack startup	Complete bypass stack startup
Unit 1 Bypass Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period - C.2 (b)	12/06/11	3 minutes	Bypass stack startup	Complete bypass stack startup
Unit 3 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2)	12/11/11	3 hours	FGD Trip	Return FGD to service
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.3(a)	12/10/11 12/11/11	3 hours 3 hours	Unit and FGD startup	Complete unit and FGD startup

Form Completed by:	Jeffrey A. Harter	
Title/Position:	Title IV Designated Representative	_
Date:	January 27, 2012	
Telephone:	812-354-7222	_

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567

Source Address:

Mailing Address: Part 70 Permit No.:

T125-6565-00002

Months: <u>January</u> to <u>March</u> Year: <u>2012</u>

## **Quarterly Deviation Report**

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	03/14/12	54 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 1Bypass Stack - Opacity in excess of 40% - C.2 (a)	02/06/12	48 minutes	Bypass stack startup	Complete bypass stack startup
Unit 1 Bypass Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period - C.2 (b)	02/06/12	9 minutes	Bypass stack startup	Complete bypass stack startup
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	03/28/12	6 minutes	Operational transient condition	Return to steady operating condition
Unit 3 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2)	01/08/12	3 hours	Unit and FGD startup	Complete unit and FGD startup
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.3(a)	01/06/12	3 hours	FGD trip	Return FGD to service

Form Completed by:	Jeffrey A. Harter	
Title/Position:	Title IV Designated Representative	
Date:	April 27, 2012	
Telephone:	812-354-7222	

Indianapolis Power & Light Company - Petersburg Generating Station

Source Address:

6925 N. State Road 57, Petersburg, Indiana 47567

Mailing Address:

P.O. Box 436, Petersburg, Indiana 47567

Part 70 Permit No.: T125-6565-00002

Months:	April	to	June	Year:	2012	

## **Quarterly Deviation Report**

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/14/12 05/16/12 05/28/12	6 minutes 6 minutes 12 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/30/12 05/15/12	6 minutes 6 minutes	Undetermined cause	No corrective action required
Unit 1Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	05/04/12	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1Bypass Stack - Opacity in excess of 40% - C.2 (a)	06/05/12 06/14/12 06/27/12	24 minutes 18 minutes 24 minutes	Bypass stack startup	Complete bypass stack startup
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	06/24/12	6 minutes	Undetermined cause	No corrective action required
Unit 3 – SO2 in excess of 1.2 Ibs/mmbtu for a 3-hour average – D2.2(b)(2) *	05/01/12	3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 - SO2 in excess of 1.2 Ibs/mmbtu for a 3-hour average — D2.2(b)(2) & D.2.3(a)	04/15/12 05/13/12	3 hours 3 hours	Unit and FGD startup *	Complete unit and FGD startup

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. \*Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed by:	Jeffrey A. Harter
Title/Position:	Title IV Designated Representative
Date:	July 27, 2012
Telephone:	812-354-7222

Indianapolis Power & Light Company - Petersburg Generating Station

Source Address:

6925 N. State Road 57, Petersburg, Indiana 47567

Mailing Address: Part 70 Permit No.:

P.O. Box 436, Petersburg, Indiana 47567

T125-6565-00002

Months: <u>July</u>	to	September	Year:	2012
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#### **Quarterly Deviation Report**

				Page 2 of
Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	08/07/12 08/24/12 08/28/12 08/30/12 09/09/12 09/10/12 09/20/12	6 minutes 6 minutes 6 minutes 6 minutes 6 minutes 6 minutes 6 minutes	Operational transient condition	Return to steady operating condition
Unit 1Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	08/20/12	12 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 1Bypass Stack - Opacity in excess of 40% - C.2 (a)	07/16/12	36 minutes	Bypass stack startup	Complete bypass stack startup
Unit 1Bypass Stack - Opacity in excess of 40% - C.2 (a)	08/20/12	36 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	09/26/12	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	09/26/12	6 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	07/03/12	18 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 4 - Opacity in excess of 40% - D.2.2(a)(2)	09/02/12 09/11/12	6 minutes 6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 – Opacity in excess of 20% - D.2.2(a)(2)	07/03/12 07/12/12 07/13/12 07/15/12 07/25/12 08/15/12 08/15/12	6 minutes 12 minutes 12 minutes 24 minutes 6 minutes 6 minutes 18 minutes	Operational transient condition	Return to steady operating condition
Unit 3 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	09/05/12 07/31/12 08/20/12	6 minutes 3 hours 3 hours	Unit and FGD startup *	Complete unit and FGD startup

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. \*Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed by:	Jeffrey A. Harter
Title/Position:	Title IV Designated Representative
Date:	October 29, 2012
Telephone:	812-354-7222

Indianapolis Power & Light Company - Petersburg Generating Station

Source Address:

6925 N. State Road 57, Petersburg, Indiana 47567

Mailing Address:

P.O. Box 436, Petersburg, Indiana 47567

Part 70 Permit No.: T125-6565-00002

Months: October to December Year: 2012

### **Quarterly Deviation Report**

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1Bypass Stack - Opacity in excess of 40% - C.2 (a)	11/05/12 12/12/12	6 minutes 12 minutes	Bypass stack startup	Complete bypass stack startup
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	12/09/12 12/21/12 12/22/12	12 minutes 48 minutes 6 minutes	Undetermined Cause	No Corrective Acgtion Required
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	12/13/12	6 minutes	Bypass stack startup	Complete bypass stack startup
Unit 2 Scrubbed Stack — Opacity in Excess of 40% for more than 1 reading in a 60 minute period, or more than 3 readings in a 12 hour period — D.1.2(b)	12/22/12	18 minutes	Soot blowing	Complete soot blowing
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	11/06/12 12/0/912	6 minutes 24 minutes	Undetermined Cause	No Corrective Action Required
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	11/17/12 11/29/12	6 minutes 18 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 4 - Opacity in excess of 40% - D.2.2(a)(2)	11/03/12	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	10/27/12 12/09/12 12/12/12 12/17/12	3 hours 3 hours 3 hours 3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	11/24/12	3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) and D.2.3(a) *	12/04/12	3 hours	FGD Trip and Restart	Complete FGD startup

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. \*Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed by:	Jeffrey A. Harter	
Title/Position:	Title IV Designated Representative	
Date:	January 28, 2013	
Telephone:	812-354-7222	

Indianapolis Power & Light Company - Petersburg Generating Station

Source Address:

6925 N. State Road 57, Petersburg, Indiana 47567

Mailing Address:

P.O. Box 436, Petersburg, Indiana 47567

Part 70 Permit No.: T125-6565-00002

Months:	January	to	March	Year: _	2013	
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## **Quarterly Deviation Report**

Page 2 of 2

				Page 2 o
Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	02/03/13	6 minutes	Operational transient condition	Return to steady operating condition
Unit 1Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/17/13 01/30/13 03/31/13	30 minutes 54 minutes 6 minutes	Bypass stack startup	Complete bypass stack startup
Unit 1 Bypass Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	01/30/13	12 minutes	Bypass stack startup	Complete bypass stack startup
Unit 1Bypass Stack - Opacity in excess of 40% - D.1.2(a)(2)	03/01/13	18 minutes	Unit Shutdown with greater than 20 6-minute readings above 40%	Complete unit shutdown
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	01/20/13 03/09/13 03/16/13	12 minutes 6 minutes 6 minutes	Undetermined Cause	No Corrective Acgtion Required
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	01/11/13	36 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	01/13/13	6 minutes	Undetermined Cause	No Corrective Action Required
Unit 4 - Opacity in excess of 40% - D.2.2(a)(2)	01/09/13	24 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	01/11/13 01/15/13 01/19/13	3 hours 3 hours 3 hours	FGD trip – control system failure *	Repair as necessary and return to service
Unit 3 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	03/01/13	3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) and D.2.3(a) *	01/22/13	9 hours	FGD trip – control system failure *	Repair as necessary and return to service

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. \*Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed by:	Jeffrey A. Harter	
Title/Position:	Title IV Designated Representative	h
Date:	April 26, 2013	<b></b>
Telephone:	812-354-7222	

Indianapolis Power & Light Company - Petersburg Generating Station

Source Address:

6925 N. State Road 57, Petersburg, Indiana 47567

Mailing Address: Part 70 Permit No.: P.O. Box 436, Petersburg, Indiana 47567

Part 70 Permit No.: T125-6565-00002

Months: <u>April</u> to <u>June</u> Year: <u>2013</u>

#### **Quarterly Deviation Report**

Page 2 of 2

Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/12/13	12 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 1Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	06/30/13	6 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	04/01/13 06/20/13	12 minutes 6 minutes	Bypass stack startup or shutdown	Complete bypass stack startup/shutdown
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/28/13	12 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	04/10/13 04/11/13	6 minutes 6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	04/15/13	6 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	06/10/13	18 minutes	SCR startup	Complete SCR startup
Unit 3 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) and D.2.7 *	04/27/13	3 hours	FGD trip and restart *	Complete FGD startup
Unit 3 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	06/09/13	3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	04/27/13 06/16/13	3 hours 3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) and D.2.3(a) *	04/27/13	3 hours	Unit and FGD trip and restart	Complete unit and FGD startup

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. \*Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed by:	Jeffrey A. Harter	
Title/Position:	Title IV Designated Representative	
Date:	July 26, 2013	
Telephone:	812-354-7222	

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567

Source Address:

Mailing Address: Part 70 Permit No.: P.O. Box 436, Petersburg, Indiana 47567

T125-6565-00002

Months: \_\_ July to <u>September</u> Year: <u>2013</u>

#### **Quarterly Deviation Report**

Page 2 of 2

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Permit Requirement (including	Date of	Duration of	Probable Cause of	Response Steps
Condition No.)	Deviation	Deviation	Deviation	Taken
Unit 1 Bypass Stack - Opacity in	07/11/13	18 minutes	Bypass stack startup or	Complete bypass
excess of 40% - C.2 (a)			shutdown	stack startup/shutdown
Unit 1 Bypass Stack - Opacity in	08/02/13	6 minutes	Undetermined cause	No corrective action
excess of 40% - C.2 (a)		_		required
Unit 2 Bypass Stack - Opacity in	07/31/13	24 minutes	Power plant equipment	Complete maintenance
excess of 40% - C.2 (a)			maintenance	and return to service
Unit 3 - Opacity in excess of	07/18/13	6 minutes	Operational transient	Return to steady
40% - D.2.2(a)(2)	08/25/13	12 minutes	condition	operating condition
Unit 3 - Opacity in excess of	07/21/13	12 minutes	Power plant equipment	Repair as necessary
40% - D.2.2(a)(2)	09/05/13	48 minutes	malfunction	and return to service
Unit 3 - Opacity in excess of	08/14/13	6 minutes	Undetermined cause	No corrective action
40% - D.2.2(a)(2)				required
Unit 3 - Opacity in excess of	08/25/13	6 minutes	SCR startup	Complete SCR startup
40% - D.2.2(a)(2)				
Unit 3 – SO2 in excess of 1.2	08/08/13	6 hours	FGD equipment failure	Retum FGD equipment
lbs/mmbtu for a 3-hour average	08/22/13	6 hours		to service
– D2.2(b)(2) and D.2.7 *	09/05/13	3 hours		
Unit 3 – SÓ2 in excess of 1.2	08/10/13	6 hours	Unit and FGD startup *	Complete unit and
lbs/mmbtu for a 3-hour average	08/11/13	3 hours		FGD startup
- D2.2(b)(2) *				
Unit 3 – SO2 in excess of 1.2	08/14/13	3 hours	Unit and FGD shutdown *	Complete unit and
lbs/mmbtu for a 3-hour average				FGD shutdown
- D2.2(b)(2).*				
Unit 3 – SO2 in excess of 1.2	08/21/13	6 hours	FGD trip and restart *	Complete FGD startup
lbs/mmbtu for a 3-hour average				
– D2.2(b)(2) and D.2.7 *				
Unit 4 – SO2 in excess of 1.2	08/04/13	3 hours	Unit and FGD trip and	Complete unit and
lbs/mmbtu for a 3-hour average			restart *	FGD startup
– D2.2(b)(2) and D.2.3(a) *				
Unit 4 – SO2 in excess of 1.2	08/10/13	3 hours	Unit and FGD startup *	Complete unit and
lbs/mmbtu for a 3-hour average				FGD startup
– D2.2(b)(2) *				
Unit 4 – SO2 in excess of 1.2	08/23/13	3 hours	FGD trip and restart *	Complete FGD startup
lbs/mmbtu for a 3-hour average				
— D2.2(b)(2) and D.2.3(a) *				

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. \*Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed by:	Jeffrey A. Harter	
Title/Position:	Title IV Designated Representative	
Date:	October 25, 2013	
Telephone:	812-354-7222	

Indianapolis Power & Light Company - Petersburg Generating Station

Source Address: Mailing Address: 6925 N. State Road 57, Petersburg, Indiana 47567

Part 70 Permit No.:

P.O. Box 436, Petersburg, Indiana 47567

ermit No.: T125-6565-00002

Months: October to December Year: 2013

## **Quarterly Deviation Report**

				Page 2 of
Permit Requirement (including	Date of	Duration of	Probable Cause of	Response Steps
Condition No.)	Deviation	Deviation	Deviation	Taken
Unit 1 Bypass Stack - Opacity in	10/31/13	6 minutes	Undetermined cause	No corrective action
excess of 40% - C.2 (a)	11/03/13	6 minutes		required
* *	11/07/13	6 minutes		
	11/10/13	6 minutes		
	11/12/13	6 minutes		
	12/12/13	6 minutes		
Unit 1 Bypass Stack - Opacity in	11/05/13	12 minutes	Power plant equipment	Repair as necessary
excess of 40% - C.2 (a)	11/07/13	12 minutes	malfunction	and return to service
	11/22/13	12 minutes		
	11/23/13	12 minutes		
	11/24/13	12 minutes		
	12/08/13	48 minutes		
Unit 1 Bypass Stack - Opacity in	11/05/13	6 minutes	Operational transient	Retum to steady
excess of 40% - C.2 (a)	11/07/13	12 minutes	condition	operating condition
	12/07/13	6 minutes		
	12/30/13	6 minutes		
Unit 2 Bypass Stack - Opacity in	10/09/13	6 minutes	Operational transient	Retum to steady
excess of 40% - C.2 (a)			condition	operating condition
Unit 3 - Opacity in excess of	10/05/13	24 minutes	Power plant equipment	Repair as necessary
40% - D.2.2(a)(2)	10/09/13	6 minutes	malfunction	and return to service
	11/03/13	12 minutes		
	11/15/13	6 minutes		
	11/30/13	6 minutes		
Unit 3 - Opacity in excess of	10/17/13	6 minutes	Operational transient	Return to steady
40% - D.2.2(a)(2)	10/21/13	6 minutes	condition	operating condition
	10/25/13	6 minutes		
	11/16/13	6 minutes		
	11/20/13	24 minutes		
	11/24/13	30 minutes		
Unit 3 - Opacity in excess of	11/30/13	6 minutes	Undetermined cause	No corrective action
40% - D.2.2(a)(2)	12/15/13	6 minutes		required
	12/20/13	6 minutes		
Unit 3 – NOX in excess of 0.7	10/08/13	15 hours	Unit trip and restart	Complete unit startup
lbs/mmbtu for a 3-hour average				
- D.2.2(c)(2)*				
Unit 3 – SO2 in excess of 1,2	10/08/13	12 hours	Unit and FGD startup *	Complete unit and
lbs/mmbtu for a 3-hour average	11/23/13	3 hours		FGD startup
D2.2(b)(2) *	12/04/13	3 hours		
	12/24/13	3 hours		10 11
Unit 4 - SO2 in excess of 1.2	04/27/13	3 hours	Unit and FGD startup *	Complete unit and
lbs/mmbtu for a 3-hour average - D2.2(b)(2) *	06/16/13	3 hours		FGD startup
Unit 4 - SQ2 in excess of 1.2	12/19/13	3 hours	FGD trip and restart *	Complete FGD startu
lbs/mmbtu for a 3-hour average				
- D2 2(b)(2) and D.2.7 *	100000000000000000000000000000000000000	55555W0303A 55550	nent that exists independent of	

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. \*Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed	D by: Jenrey A. Hanter
Title/Position:	Title IV Designated Representative
Date:	January 27, 2014
Telephone:	812-354-7222 Attach a signed certification to complete this report.

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567

Source Address:

Mailing Address: Part 70 Permit No.:

P.O. Box 436, Petersburg, Indiana 47567

T125-6565-00002

Months: January \_to\_\_ March \_\_Year: \_\_\_\_2014\_

## **Quarterly Deviation Report**

Page 2 of 3

Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	03/21/14	18 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/01/14	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Bypass Stack - Opacity in	01/05/14	6 minutes	Undetermined cause	No corrective action
excess of 40% - C.2 (a)	01/09/14	12 minutes		required
	01/24/14	6 minutes		,
	01/26/14	6 minutes		
	01/30/14	6 minutes		
	01/31/14	6 minutes		
	02/04/14	6 minutes		
	02/05/14	6 minutes		
	02/06/14	6 minutes		
	02/10/14	18 minutes		
	02/12/14	18 minutes		
	02/13/14	6 minutes		
	02/14/14	6 minutes		
	02/15/14	12 minutes		
	02/19/14	6 minutes		
	02/22/14	12 minutes		
	02/23/14	18 minutes		
	02/24/14	6 minutes		
	02/25/14	18 minutes		
	03/03/14	6 minutes		
	03/04/14	6 minutes		
	03/17/14	6 minutes		<u> </u>
Unit 1 Bypass Stack - Opacity in	01/05/14	18 minutes	Operational transient	Return to steady
excess of 40% - C.2 (a)	03/02/14	6 minutes	condition	operating condition
	03/11/14	24 minutes		The state of the s
	03/18/14 03/19/14	18 minutes		
Unit 1 Bypass Stack - Opacity in	03/19/14	12 minutes 6 minutes	Bypass stack startup or	Complete bypass
excess of 40% - C.2 (a)	03/21/14	6 minutes	shutdown	stack startup/shutdown
Unit 2 Scrubbed Stack - Opacity	03/11/14	6 minutes	Undetermined cause	No corrective action
in excess of 40% - C.2 (a)	03/11/14	6 minutes	Undetermined cause	required
III excess 0/ 40% - 0.2 (a)	03/12/14	18 minutes		required
	03/19/14	6 minutes		
	03/25/14	6 minutes		
Unit 2 Scrubbed Stack -	03/24/14	6 minutes	Removing ash or blowing	Complete removing
Opacity in Excess of 40% for	00/2 // 1	o minatoo	tubes	ash or blowing tubes
more than 1 reading in a 60				
minute period, or more than 3				
readings in a 12 hour period -				
D.1.2(b)				
Unit 2 Scrubbed Stack - Opacity	03/26/14	12 minutes	Power plant equipment	Repair as necessary
in excess of 40% - C.2 (a)	100 6500 DO HOSS	· ·	malfunction	and return to service
Unit 2 Bypass Stack - Opacity in	02/14/14	12 minutes	Operational transient	Return to steady
excess of 40% - C.2 (a)	white manuscript and the second second	materials accelerate the	condition	operating condition
Unit 2 Bypass Stack - Opacity in	02/16/14	36 minutes	Power plant equipment	Repair as necessary
excess of 40% - C.2 (a)	02/18/14	42 minutes	malfunction	and return to service
1-7	03/06/14	6 minutes		
Unit 2 Bypass Stack - Opacity in	02/19/14	6 minutes	Undetermined cause	No corrective action
excess of 40% - C.2 (a)	03/03/14	12 minutes		required
- ' '	03/06/14	6 minutes		*
	03/28/14	6 minutes		
	03/30/14	30 minutes		

Indianapolis Power & Light Company - Petersburg Generating Station

Source Address:

6925 N. State Road 57, Petersburg, Indiana 47567

Mailing Address: Part 70 Permit No.: P.O. Box 436, Petersburg, Indiana 47567

mit No.: T125-6565-00002

Months: <u>January</u> to <u>March</u> Year: <u>2014</u>

### **Quarterly Deviation Report**

Page 3 of 3

Permit Requirement	Date of	Duration of	Probable Cause of	Page 3 of Response Steps
(including Condition No.)	Deviation	Deviation	Deviation	Taken
Unit 3 - Opacity in excess of	01/10/14	24 minutes	SCR startup	Complete SCR startu
40% - D.2.2(a)(2)				
Unit 3 - Opacity in excess of	01/05/14	6 minutes	Undetermined cause	No corrective action
40% - D.2.2(a)(2)	01/06/14	6 minutes		required
	01/27/14	6 minutes		
	01/31/14	6 minutes		
	02/02/14	12 minutes		
	02/05/14	12 minutes		
	02/06/14	12 minutes		İ
	02/14/14	6 minutes		
	02/16/14	6 minutes		]
	03/04/14	6 minutes		
	03/09/14	6 minutes		
	03/14/14	18 minutes		
Unit 3 - Opacity in excess of	01/20/14	6 minutes	Operational transient	Return to steady
40% - D.2.2(a)(2)	02/01/14	36 minutes	condition	operating condition
	02/06/14	6 minutes		, , , , , , , , , , , , , , , , , , , ,
	02/07/14	12 minutes		
	02/10/14	12 minutes		
	02/11/14	36 minutes		
	02/18/14	6 minutes		
	03/06/14	18 minutes		
Unit 3 - Opacity in excess of	01/31/14	6 minutes	Power plant equipment	Repair as necessary
40% - D.2.2(a)(2)	02/01/14	12 minutes	malfunction	and return to service
	02/04/14	6 minutes		
	02/06/14	24 minutes		£
	02/11/14	6 minutes		
	02/15/14	12 minutes		
	02/17/14	54 minutes		
	03/02/14	6 minutes		
	03/03/14	18 minutes		
	03/04/14	6 minutes		
	03/05/14	12 minutes		
	03/14/14	6 minutes		CONTRACTOR DESCRIPTION OF THE PROPERTY OF THE
Unit 4 - Opacity in excess of	01/12/14	12 minutes	Power plant equipment	Repair as necessary
40% - D.2.2(a)(2)	02/27/14	36 minutes	malfunction	and return to service
	03/20/14	6 minutes	touristic to 12 to 20 to 10 to	
Unit 3 – SO2 in excess of 1.2	01/09/14	3 hours	Unit and FGD startup *	Complete unit and
lbs/mmbtu for a 3-hour average				FGD startup
- D2.2(b)(2) *				

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. \*Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed	by: <u>Jeffrey A. Harter</u>	
Title/Position:	Title IV Designated Representative	
Date:	April 28, 2014	-
Telephone:	812-354-7222 Attach a signed certification to complete this report.	-

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567 T125-6565-00002

Source Address: Mailing Address: Part 70 Permit No.:

Months: April to June Year: 2014

# **Quarterly Deviation Report**

Page 2 of 3

Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/13/14 05/08/14 05/10/14	6 minutes 84 minutes 30 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	05/01/14 05/15/14	6 minutes 6 minutes	Undetermined cause	No corrective action required
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	06/16/14	6 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	05/08/14	25 minutes	Bypass stack startup	Complete bypass stack startup
Unit 1 Bypass Stack - Opacity in	04/08/14 06/26/14	12 minutes	Bypass stack startup or	Complete bypass
excess of 40% - C.2 (a) Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	06/08/14	12 minutes 6 minutes	shutdown Power plant equipment malfunction	stack startup/shutdown Repair as necessary and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/09/14 04/14/14 04/25/14	6 minutes 12 minutes 6 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	05/28/14	36 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)  Unit 2 Bypass Stack - Opacity in Excess of 40% for more than 1 reading in a 60 minute period,	04/02/14 04/03/14 04/03/14 04/05/14 04/05/14 04/07/14 04/09/14 04/10/14 04/13/14 04/13/14 04/15/14 04/20/14 04/21/14 04/25/14 04/25/14 04/04/14 04/15/14	24 minutes 90 minutes 36 minutes 60 minutes 6 minutes 36 minutes 24 minutes 6 minutes 90 minutes 18 minutes 6 minutes 6 minutes 6 minutes 6 minutes 24 minutes 6 minutes 15 minutes 16 minutes 17 minutes 18 minutes	Removing ashes or blowing tubes	No corrective action required  Complete removing ashes or blowing tubes
or more than 3 readings in a 12 hour period – D.1.2(b)	04/25/14	6 minutes		
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	04/04/14 04/14/14 04/15/14	6 minutes 12 minutes 30 minutes	Operational transient condition	Return to steady operating condition
Unit 2 Bypass Stack - Opacity in Excess of 40% for More than 20 6-minute averages during a unit shutdown- D.12(a)(2)	04/25/14	24 minutes	Unit shutdown	Complete unit shutdown
Unit 2 Bypass Stack - Opacity in excess of 60% for more than	04/14/14	36 minutes	Undetermined caues	No corrective action required
15 1-min readings in a 6-hr period -C.2(b)	04/15/14	1 minute	Operational Transient Condition	Return to steady operating condition

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567

Source Address:

Mailing Address:

P.O. Box 436, Petersburg, Indiana 47567

Part 70 Permit No.:

T125-6565-00002

Months: April to<u>June</u>Year: <u>2014</u>

### **Quarterly Deviation Report**

Page 3 of 3

Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	05/09/14 05/13/14 05/24/14 05/25/14 06/02/14 06/12/14	12 minutes 6 minutes 12 minutes 6 minutes 18 minutes 6 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	05/22/14 06/12/14 06/16/14 06/25/14	72 minutes 18 minutes 12 minutes 18 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	05/29/14	18 minutes	SCR Startup	Complete SCR startup
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	06/04/14	6 minutes	Undetermined cause	No corrective action required
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	06/03/14	48 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	04/24/14 04/27/14 05/02/14 05/07/14 06/29/14	3 hours 6 hours 6 hours 6 hours 3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	05/28/14	3 hours	Unit and FGD startup *	Complete unit and FGD startup

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. \*Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed b	y: <u>Jeffrey A. Harter</u>	
Title/Position:	Title IV Designated Representative	-
Date:	July 29, 2014	
Telephone:	812-354-7222	
A L	to the continuant and it is a time to a complete this compat	

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567

Source Address: Mailing Address: Part 70 Permit No.:

T125-6565-00002

to September Year: 2014 Months: July

## **Quarterly Deviation Report**

Page 2 of 3

Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	07/17/14	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	07/21/14 07/29/14 07/30/14	102 minutes 6 minutes 18 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	08/18/14	36 minutes	Operational transient condition	Return to steady operating condition
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	09/02/14	12 minutes	Undetermined cause	No corrective action required
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	09/18/14	42 minutes	PM characterization testing	Complete PM characterization testing
Unit 2 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	07/21/14	68 minutes	Power plant equipment malfunction	Return to steady operating condition
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	08/28/14	12 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	08/29/14	6 minutes	Undetermined cause	No corrective action required
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	07/10/14 07/11/14 07/23/14 08/16/14 08/18/14 09/26/14	6 minutes 12 minutes 12 minutes 18 minutes 6 minutes 6 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	08/20/14 08/30/14	6 minutes 6 minutes	Undetermined cause	No corrective action required
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	08/21/14	12 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	08/12/14 08/18/14 08/20/14 08/25/14 09/03/14	30 minutes 6 minutes 18 minutes 36 minutes 24 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	08/16/14	12 minutes	Operational transient condition	Return to steady operating condition
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	08/25/14 08/28/14	12 minutes 24 minutes	Undetermined cause	No corrective action required
Unit 3 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	09/18/14	6 hours	Operational transient condition	Return to steady operating condition
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) and D.2.3(a) *	07/17/14 07/22/14	3 hours 3 hours	FGD trip and restart *	Complete FGD startup
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2)and D.2.3(a) *	09/23/14 09/27/14	9 hours 6 hours	FGD equipment failure	Return FGD equipment to service

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567

Source Address:

Mailing Address:

Part 70 Permit No.: T125-6565-00002

> Months: \_\_\_ July September Year: \_\_\_\_ 2014 \_to\_\_

### **Quarterly Deviation Report**

Page 3 of 3

Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Coal Handling Visible Emissions Notations D.3.3 (a)	09/29/14 thru 10/03/14	1 perweek	Missed once weekly VE notations for coal handling transfer points	Complete refresher training of personnel to clarify responsibilities
Unit 2 - Performance Testing Test Protocol Submittal C.13(b)	10/07/14	10 Days	Did not meet 35 day submittal requirement for Pete 2 Scrubbed Stack PM Correlation Testing	Complete refresher training of personnel to clarify responsibilities
Facility – Annual Compliance Certification B.9	07/01/14	N/A	Missed deadline for filing Annual Compliance Certification	Complete initial and refresher training of personnel to clarify responsibilities

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Form Completed	by: <u>Jeffrey A. Harter</u>	
Title/Position:	Title IV Designated Representative	
Date:	October 29, 2014	
Telephone:	812-354-7222	
F	Attach a signed certification to complete this report.	

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: Part 70 Permit No.: Part 70 Permit No.:

Months: October to December Year: 2014

## **Quarterly Deviation Report**

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Permit Requirement	Date of	Duration of	Probable Cause of	Response Steps
(including Condition No.)	Deviation	Deviation	Deviation Deviation	Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	10/28/14	6 minutes	Undetermined cause	No corrective action required
Unit 1 Scrubbed Stack - Opacity	11/21/14	24 minutes	Power plant equipment	Repair as necessary
in excess of 40% - C.2 (a)	12/04/14	6 minutes	malfunction	and return to service
oxoodd o: 7070 - 0.2 (u)	12/30/14	30 minutes	,,,a,,a,,o,,o,,	una rotati to corrido
Unit 1 Bypass Stack - Opacity in	11/25/14	6 minutes	Bypass stack startup or	Complete bypass
excess of 40% - C.2 (a)		•	shutdown	stack startup/shutdown
Unit 2 Scrubbed Stack - Opacity	10/07/14	6 minutes	PM characterization	Complete PM
in excess of 40% - C.2 (a)		• ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	testing	characterization testing
Unit 2 Scrubbed Stack - Opacity	11/27/14	6 minutes	Power plant equipment	Repair as necessary
in excess of 40% - C.2 (a)	12/02/14	54 minutes	malfunction	and return to service
## 0,00000 G. 1070 G.2 (G)	12/03/14	30 minutes		
Unit 2 Bypass Stack - Opacity in	10/15/14	30 minutes	PM characterization	Complete PM
excess of 40% - C.2 (a)	10/22/14	30 minutes	testing	characterization testing
Unit 2 Bypass Stack - Opacity in	12/18/14	18 minutes	Power plant equipment	Repair as necessary
excess of 40% - C.2 (a)			malfunction	and return to service
Unit 3 - Opacity in excess of	10/05/14	6 minutes	Undetermined cause	No corrective action
20% - D.2.2(a)(2)	10/10/14	6 minutes		required
2070 272.2(3)(2)	12/13/14	18 minutes		, , , , , , , , , , , , , , , , , , ,
	12/14/14	12 minutes		
	12/15/14	12 minutes		or management
Unit 3 - Opacity in excess of	10/06/14	12 minutes	Power plant equipment	Repair as necessary
20% - D.2.2(a)(2)	10/10/14	6 minutes	malfunction	and return to service
2070 2.2.2(4)(2)	11/27/14	6 minutes	, , , and , other ,	
	12/17/14	6 minutes		
	12/18/14	12 minutes		
	12/20/14	12 minutes		
Unit 3 - Opacity in excess of	10/12/14	12 minutes	Operational transient	Return to steady
20% - D.2.2(a)(2)	11/05/14	12 minutes	condition	operating condition
2070 2.2.2(4)(2)	11/06/14	6 minutes		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	11/10/14	6 minutes		
	12/02/14	6 minutes		
	12/18/14	12 minutes		
	12/19/14	12 minutes		
	12/23/14	12 minutes		
Unit 4 - Opacity in excess of	10/02/14	6 minutes	Power plant equipment	Repair as necessary
20% - D.2.2(a)(2)	11/1014	12 minutes	malfunction	and return to service
2070 3:2:2(4)(2)	11/11/14	12 minutes		
	11/21/14	6 minutes		
Į	12/06/14	6 minutes		
	12/08/14	12 minutes		
	12/17/14	24 minutes		
Unit 4 - Opacity in excess of	11/19/14	30 minutes	Operational transient	Return to steady
20% - D.2.2(a)(2)	11/22/14	18 minutes	condition	operating condition
	11/27/14	18 minutes		
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	12/03/14	18 minutes	Undetermined cause	No corrective action required
Unit 3 – SO2 in excess of 1.2	11/24/14	3 hours	Unit and FGD startup *	Complete unit and
Ibs/mmbtu for a 3-hour average - D2.2(b)(2) *	11/30/14	6 hours		FGD startup

Source Name: Source Address: Indianapolis Power & Light Company – Petersburg Generating Station

6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567

Mailing Address: Part 70 Permit No.:

T125-6565-00002

Months: October to <u>December</u> Year: 2014

### **Quarterly Deviation Report**

Page 3 of 3

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 4 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	11/19/14	7 minutes	Operational transient condition	Return to steady operating condition
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	12/24/14	3 hours	Unit and FGD startup *	Complete unit and FGD startup

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Form Completed	by: Jeffrey A. Harter
Title/Position:	Title IV Designated Representative
Date:	January 28, 2015
Telephone:	812-354-7222 Attach a signed certification to complete this report.

Source Name: Source Address: Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567

Mailing Address: Part 70 Permit No.:

T125-6565-00002

Months: <u>January</u> \_\_to\_\_ March Year: 2015

#### **Quarterly Deviation Report**

	Quar	terly Deviat	tion Report	Page 2 of
Permit Requirement	Date of	Duration of	Probable Cause of	Page 2 of Response Steps
(including Condition No.)	Deviation	Deviation	Deviation Deviation	Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	01/05/15	6 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Scrubbed Stack - Opacity	01/23/15	6 minutes	PM characterization	Complete PM
in excess of 40% - C.2 (a)	02/03/15	72 minutes	testing	characterization testing
Unit 1 Scrubbed Stack - Opacity	01/27/15	6 minutes	Undetermined cause	No corrective action
in excess of 40% - C.2 (a)	0.72.7.10	O minutes	Onactenimica cause	required
Unit 1 Scrubbed Stack - Opacity	02/19/15	42 minutes	Power plant equipment	Complete maintenance
in excess of 40% - C.2 (a)		/2//////	maintenance	and return to service
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/09/15	6 minutes	Bypass stack startup or shutdown	Complete bypass stack startup/shutdown
Unit 1 Bypass Stack - Opacity in	01/10/15	42 minutes	Operational transient	Return to steady
excess of 40% - C.2 (a)	02/14/15	48 minutes	condition	operating condition
CAUCUS OF 4070 - C.2 (a)	02/24/15	18 minutes	Condition	operating condition
	02/26/15	12 minutes		
	03/08/15	30 minutes		ļ
	03/14/15	12 minutes		
Unit 1 Bypass Stack - Opacity in	01/11/15	6 minutes	Undetermined cause	No corrective action
excess of 40% - C.2 (a)	02/09/15	6 minutes	Chacternana dalage	required
0.2 (d)	02/24/15	12 minutes		1.04000
	03/11/15	6 minutes		
	03/27/15	12 minutes		
Unit 1 Bypass Stack - Opacity in	01/11/15	90 minutes	Power plant equipment	Repair as necessary
excess of 40% - C.2 (a)	01/12/15	96 minutes	malfunction	and return to service
5.2 (a)	01/13/15	120 minutes	, , , dirar, ottor,	a 1010 10 00,1100
	03/07/15	6 minutes		
	03/08/15	6 minutes		
	03/12/15	6 minutes		
	03/15/15	6 minutes		
	03/17/15	24 minutes		
	03/22/15	18 minutes		
	03/26/15	12 minutes		
Unit 1 Bypass Stack - Opacity in	01/23/15	66 minutes	PM characterization	Complete PM
excess of 40% - C.2 (a)	02/10/15	18 minutes	testing	characterization testing
Unit 1 Bypass Stack - Opacity	01/11/15	2 minutes	Power plant equipment	Repair as necessary
in excess of 60% for more than	01/12/15	5 minutes	malfunction	and return to service
15 1-min readings in a 6-hr	01/13/15	44 minutes		
period -C.2(b)				
Unit 2 Scrubbed Stack - Opacity	01/03/15	18 minutes	Power plant equipment	Repair as necessary
n excess of 40% - C.2 (a)	01/08/15	24 minutes	malfunction	and return to service
Jnit 2 Scrubbed Stack -	01/08/15	9 minutes	Power plant equipment	Repair as necessary
Opacity in excess of 60% for			malfunction	and return to service
more than 15 1-min readings in				
6-hr period -C.2(b)				
Init 2 Bypass Stack - Opacity in	01/08/15	78 minutes	Power plant equipment	Repair as necessary
excess of 40% - C.2 (a)			malfunction	and return to service
Unit 2 Bypass Stack - Opacity in	01/12/15	6 minutes	Bypass stack startup or	Complete bypass
excess of 40% - C.2 (a)	01/29/15	12 minutes	shutdown	stack startup/shutdowr
Init 2 Bypass Stack - Opacity	01/08/15	4 minutes	Power plant equipment	Repair as necessary
n excess of 60% for more than			malfunction	and return to service
15 1-min readings in a 6-hr period -C.2(b)				
Unit 3 - Opacity in excess of	01/19/15	12 minutes	Undetermined cause	No corrective action
20% - D.2.2(a)(2)	01/25/15	6 minutes		required
	03/21/15	12 minutes		
Unit 3 - Opacity in excess of	03/18/15	30 minutes	SCR startun	Complete SCR startup

SCR startup

30 minutes

03/18/15

Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)

Complete SCR startup

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567

Source Address:

Mailing Address: Part 70 Permit No.: P.O. Box 436, Petersburg, Indiana 47567

T125-6565-00002

Months: \_ January to March Year: 2015

### **Quarterly Deviation Report**

Bornit Bornitari	Data of	D	B-6-11 0	Page 3 of 3
Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 3 - Opacity in excess of	01/19/15	42 minutes	Power plant equipment	Repair as necessary
20% - D.2.2(a)(2)	01/24/15	72 minutes	malfunction	and retum to service
	01/25/15	30 minutes		•
	02/01/15	42 minutes		
	02/14/15	12 minutes		
Unit 3 - Opacity in excess of	02/03/15	6 minutes	Operational transient	Retum to steady
20% - D.2.2(a)(2)	02/08/15	12 minutes	condition	operating condition
	03/08/15	6 minutes		
	03/10/15	6 minutes		
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	03/24/15	84 minutes	PM characterization testing	Complete PM characterization testing
Unit 4 - Opacity in excess of	01/05/15	12 minutes	Undetermined cause	No corrective action
20% - D.2.2(a)(2)	02/02/15	12 minutes		required
	03/02/15	12 minutes		
	03/22/15	6 minutes		
Unit 4 - Opacity in excess of	01/14/15	24 minutes	Power plant equipment	Repair as necessary
20% - D.2.2(a)(2)	01/20/15	6 minutes	malfunction	and retum to service
	02/05/15	24 minutes	Committee Commit	
	02/24/15	12 minutes		
	03/01/15	54 minutes		
	03/07/15	12 minutes		
	03/23/15	12 minutes		
	03/31/15	30 minutes		
Unit 4 - Opacity in excess of	01/19/15	30 minutes	PM characterization	Complete PM
20% - D.2.2(a)(2)	01/26/15	18 minutes	testing	characterization testing
	01/29/15	102 minutes		
Unit 3 – SO2 in excess of 1.2	01/19/15	3 hours	Booster fan trip	Return booster fan to
lbs/mmbtu for a 3-hour average – D2.2(b)(2) *				operation
Unit 3 – SO2 in excess of 1.2	01/23/15	3 hours	Unit and FGD startup *	Complete unit and
lbs/mmbtu for a 3-hour average	03/20/15	3 hours		FGD startup
– D2.2(b)(2) * Unit 3 Scrubbed Stack -	01/24/15	4 minutes	Power plant equipment	Repair as necessary
Opacity in excess of 60% for	01/24/10	4 minutes	malfunction	and return to service
more than 15 1-min readings in			manuriogon	and return to dorned
a 6-hr period -C.2(b)				
Unit 3 Scrubbed Stack -	01/24/15	2 minutes	PM characterization	Complete PM
Opacity in excess of 60% for	0.72.7.0	2 /////4/00	testing	characterization testing
more than 15 1-min readings in				
a 6-hr period -C.2(b)				
Unit 4 – SO2 in excess of 1.2	01/03/15	3 hours	Unit and FGD startup *	Complete unit and
lbs/mmbtu for a 3-hour average	02/22/15	3 hours		FGD startup
- D2.2(b)(2) *	03/20/15	3 hours		- Commence and Com
Unit 4 – SO2 in excess of 1.2	01/29/15	3 hours	PM characterization	Complete PM
lbs/mmbtu for a 3-hour average			testing	characterization testing
- D2.2(b)(2) *			_	

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Form Complete	d by: <u>Jeffrey A. Harter</u>	
Title/Position:	Title IV Designated Representative	_
Date:	January 28, 2015	
Telephone:	812-354-7222 Attach a signed certification to complete this report.	

Indianapolis Power & Light Company – Petersburg Generating Station 6925 N. State Road 57, Petersburg, Indiana 47567 P.O. Box 436, Petersburg, Indiana 47567

Source Address:

Mailing Address: Part 70 Permit No.:

T125-6565-00002 Months: April

to June Year: 2015

## **Quarterly Deviation Report**

Bornit Borning	Dede of	B		Page 2 of
Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of	Response Steps
			Deviation	Taken
Unit 1 Scrubbed Stack - Opacity	04/08/15	54 minutes	Undetermined cause	No corrective action
in excess of 40% - C.2 (a)	04/16/15	12 minutes		required
	04/19/15	30 minutes		
	04/20/16	6 minutes		
	04/23/15	6 minutes		
	04/25/15	12 minutes		
	05/10/15	6 minutes	1	
	05/14/15	6 minutes		
	06/25/15	18 minutes		
Unit 1 Scrubbed Stack - Opacity	04/24/15	6 minutes	Power plant equipment	Repair as necessary
in excess of 40% - C.2 (a)			malfunction	and return to service
Unit 1 Scrubbed Stack - Opacity	05/12/15	6 minutes	Removing ashes or	Complete removing
in Excess of 40% for more than			blowing tubes	ashes or blowing tube
1 reading in a 60 minute period,				3
or more than 3 readings in a 12				
hour period – D.1.2(b)				
Unit 1 Scrubbed Stack -	04/08/15	17 minutes	Undetermined cause	No corrective action
Opacity in excess of 60% for	04/19/15	12 minutes	27.00(07.11.11.100 00000	required
more than 15 1-min readings in	0 11 10 10	12 1/11/4(00	Visit of the second sec	7040,,00
a 6-hr period -C.2(b)				
Unit 1 Bypass Stack - Opacity in	04/15/15	66 minutes	QA/QC Activities	Complete QA/QC
excess of 40% - C.2 (a)	04710/10	oo minutes	QA QO Activities	Activities
Unit 1 Bypass Stack - Opacity in	05/28/15	12 minutes	Undetermined cause	No corrective action
excess of 40% - C.2 (a)	03/20/10	12 minutes	Ondeternimed cause	required
Unit 2 Scrubbed Stack - Opacity	04/03/15	6 minutes	Undetermined cause	No corrective action
in excess of 40% - C.2 (a)	0-1/00/10	o minarco	Shactorning dade	required
Unit 3 - Opacity in excess of	06/02/15	12 minutes	Power plant equipment	Complete maintenance
20% - D.2.2(a)(2)	06/26/15	120 minutes	maintenance	and return to service
2070 - D.Z.Z(d)(Z)	06/27/15	132 minutes	mannenance	and return to service
Unit 3 - Opacity in excess of	06/10/15	6 minutes	Undetermined cause	No corrective action
20% - D.2.2(a)(2)	00/10/13	O minutes	Ondetermined Cause	required
Unit 3 - Opacity in excess of	06/21/15	12 minutes	Power plant equipment	Repair as necessary
20% - D.2.2(a)(2)	06/24/15	36 minutes	malfunction	and return to service
2070 - D.Z.Z(a)(Z)	06/30/15	48 minutes	manunction	and return to service
Unit 3 - Opacity in excess of	06/23/15	66 minutes	CCD Startus	Complete SCR startup
			SCR Startup	Complete SCR startup
20% - D.2.2(a)(2)	06/29/15	18 minutes	0	Detura to standi
Unit 3 - Opacity in excess of	06/24/15	6 minutes	Operational transient	Return to steady
20% - D.2.2(a)(2)	000045	- CO : 1	condition	operating condition
Init 3 - Opacity in excess of	06/26/15	68 minutes	Power plant equipment	Complete maintenance
60% for more than 15 1-min			maintenance	and return to service
eadings in a 6-hr period -C.2(b)				
Init 4 - Opacity in excess of	04/21/15	18 minutes	Power plant equipment	Repair as necessary
20% - D.2.2(a)(2)	06/11/15	30 minutes	malfunction	and return to service
	06/16/15	6 minutes		
	06/29/15	36 minutes		
Init 4 - Opacity in excess of	06/30/15	24 minutes	Undetermined cause	No corrective action
20% - D.2.2(a)(2)				required

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Form Completed	by: Jeffrey A. Harter	
Title/Position:	Title IV Designated Representative	
Date:	July 29, 2015	
Telephone:	812-354-7222	
	Attach a signed certification to complete this report	